

What is claimed is:

1. A suction connection for connecting a compressor and an evaporator in a refrigeration system, the suction connection comprising a protrusion extending into the evaporator upon installation of the suction connection, the protrusion being configured and disposed to disturb axial flow of refrigerant vapor in the evaporator.
2. The suction connection of claim 1 wherein the protrusion is configured and disposed to substantially face the axial flow of refrigerant vapor in the evaporator.
3. The suction connection of claim 1 wherein the protrusion has a peripheral edge formed of an arc.
4. The suction connection of claim 1 wherein the protrusion has a peripheral edge formed of at least one linear segment.
5. The suction connection of claim 1 wherein the protrusion comprises at least one aperture.
6. The suction connection of claim 1 wherein the protrusion comprises at least one slot.
7. The suction connection of claim 1 further comprises a pipe having an outer perimeter, the pipe being configured and disposed to connect the compressor and the evaporator, and wherein the protrusion is a continuous portion of the pipe extending into the evaporator.
8. The suction connection of claim 7 wherein the continuous portion of the pipe extending into the evaporator is disposed on between about one-fifteenth to about two-thirds of the outer perimeter of the pipe.
9. The suction connection of claim 7 wherein the continuous portion of the pipe extending into the evaporator is disposed on about one-half of the outer perimeter of the pipe.

10. The suction connection of claim 7 wherein the pipe comprises a second portion disposed opposite the protrusion, the second portion of the pipe being substantially coincident with the evaporator.
11. The suction connection of claim 10 wherein the protrusion is configured and disposed to substantially face the axial flow of refrigerant vapor in the evaporator, the axial flow of refrigerant vapor flowing by the second portion of the pipe and an opening in the pipe prior to encountering the protrusion.
12. A suction connection for a plurality of compressors of a refrigeration system in fluid communication with an evaporator of the refrigeration system, the suction connection comprising at least one protrusion extending into the evaporator upon installation of the suction connection, the at least one protrusion being configured and disposed to disturb axial flow of refrigerant vapor in the evaporator.
13. The suction connection of claim 12 further comprises:
 - a first pipe being configured and disposed to connect the evaporator to a first compressor of the plurality of compressors and a second pipe being configured and disposed to connect the evaporator to a second compressor of the plurality of compressors; and
 - the at least one protrusion being disposed on at least one of the first pipe and the second pipe.
14. The suction connection of claim 13 wherein the at least one protrusion comprises a first protrusion being disposed on the first pipe and a second protrusion being disposed on the second pipe, the first protrusion and the second protrusion having a substantially similar profile.
15. The suction connection of claim 14 wherein the first protrusion and the second protrusion are substantially radially aligned within the evaporator.
16. The suction connection of claim 14 wherein the first protrusion and the second protrusion are disposed to substantially face the axial flow of refrigerant vapor in the evaporator.

17. The suction connection of claim 14 wherein the first protrusion and the second protrusion each have a peripheral edge formed of an arc.
18. The suction connection of claim 14 wherein the first protrusion comprises a continuous portion of the first pipe extending into the evaporator and the second protrusion comprises a continuous portion of the second pipe extending into the evaporator.
19. The suction connection of claim 18 wherein the first pipe and the second pipe each have an outer perimeter, and wherein the continuous portion of the first pipe is disposed on between about one-fifteenth to about two-thirds of the outer perimeter of the first pipe and the continuous portion of the second pipe is disposed on between about one-fifteenth to about two-thirds of the outer perimeter of the second pipe.
20. The suction connection of claim 19 wherein the continuous portion of the first pipe is disposed on about one-half of the outer perimeter of the first pipe and the continuous portion the second pipe is disposed on about one-half of the outer perimeter of the second pipe.
21. The suction connection of claim 14 wherein the first protrusion is positioned adjacent the midspan of the evaporator, the second protrusion is positioned adjacent one end of the evaporator.
22. The suction connection of claim 21 wherein the second protrusion is positioned adjacent an end of the evaporator that is opposite a direction of axial flow of refrigerant vapor in the evaporator.
23. A multiple compressor refrigeration system comprising:
 - two or more compressors;
 - a condenser in fluid communication with the two or more compressors;
 - an evaporator in fluid communication with the condenser;

a suction connection connecting the evaporator and the two or more compressors, the suction connection comprising at least one protrusion extending into the evaporator; and

wherein the evaporator is configured to develop axial flow of refrigerant vapor adjacent to the suction connection and the at least one protrusion being configured and disposed to disturb the axial flow of refrigerant vapor in the evaporator.

24. The multiple compressor refrigeration system of claim 23 wherein a length of the at least one protrusion is between about 15 percent to about 25 percent of an outer perimeter of the suction connection.